

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**PATENT APPLICATION TRANSMITTAL LETTER**



Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing pursuant to 37 C.F.R. 1.53 is the patent application of:

**INVENTORS:**

Hiroshi KAWAZOE  
931-113, Kuden-cho, Sakae-ku, Yokohama-shi  
Kanagawa, JAPAN

Kenichi MUTA  
c/o Moritex Corporation, Institute For Nano Technology  
3-3, Azamino-minami 1-chome, Aoba-ku, Yokohama-shi  
Kanagawa, JAPAN

**FOR:**

Enclosed are:

- X   6 (six sheets of drawings.
- X   An Assignment of the invention to: Moritex Corporation and Hiroshi Kawazoe
- An associate power of attorney.
- X   A Notice of Informal Filing of New Patent Application.

The filing fee is calculated as follows:

	CLAIMS AS	FILED	SMALL ENTITY		OTHER THAN A SMALL ENTITY
FOR	NO. FILED	NO. EXTRA	RATE FEE		RATE FEE
BASIC FEE			<b>\$385</b>		<b>\$ 770</b>
Total Claims	17-20=	-0-	x9=	or	x18=
Indep claims	1 -3=	-0-	X42= -0-	or	x84=
[ ] Multiple	Dep claims		+140= -0-	or	+280=
			<b>TOTAL</b>		<b>TOTAL \$770</b>

  X   A check in the amount of \$ 770 (for the initial filing fee) is enclosed.

       The Commissioner is hereby authorized to charge \$     to Deposit Account No. 20-1424 for the filing fee listed above.

       The Commissioner is hereby authorized to charge \$     to the credit card identified in the attached Credit Card Payment Form for the filing fee listed above.

  X   The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 20-1424. A duplicate copy of this sheet is attached.

  x   Any additional fees under 37 CFR 1.16 for the presentation of extra claims.

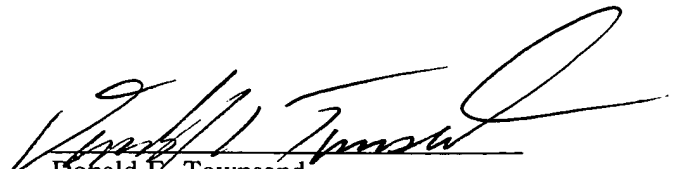
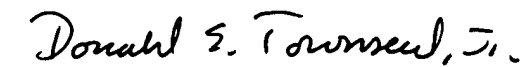
  x   Any patent application processing fees under 37 CFR 1.17.

  X   The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 20-1424. A duplicate copy of this sheet is attached.

  x   Any patent application processing fees under 37 CFR 1.17, including extension of time fees.

  x   Any filing fees under 37 CFR 1.16 for the presentation of extra claims.

Respectfully submitted,

  
Donald E. Townsend  
Reg. No. 22,069  
Donald E. Townsend, Jr.  
Reg. No. 43,198

Date: October 24, 2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
H. Kawazoe, et al.

Serial No.: To Be Assigned

Art Unit: To Be Assigned

Filed: Concurrently Herewith

Examiner: To Be Assigned

For: Waveguide Optical Amplifier

INFORMAL FILING OF NEW PATENT APPLICATION

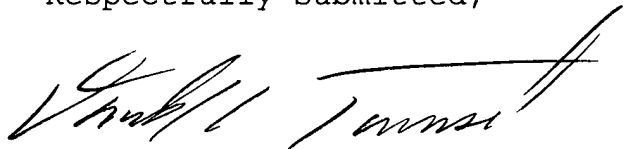
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BOX PATENT APPLICATIONS

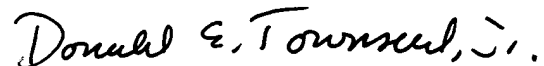
Sir:

The undersigned has been authorized by the Applicants, Hiroshi KAWAZOE and Kenichi MUTA, to file the enclosed patent application, and to defer filing of the Declaration/Power of Attorney.

Respectfully submitted,



Donald E. Townsend  
Reg. No. 22,069



Donald E. Townsend, Jr.  
Reg. No. 43,198

Date: October 24, 2003

Docket No.: MIT-045-USA-P

**LAW OFFICES OF TOWNSEND & BANTA**

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